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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF SECRETARY

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**PETITION FOR RULE MAKING**

248A, 277A

1/ The allotment of Channel 277A to Oro Valley is contingent on the adoption of MM Docket No. 93-69, in which licensed station KLQB (FM) proposes the substitution of Channel 279A for Channel 276A at Oracle, AZ. Petitioner is advised by the FCC's International Branch that concurrence has been obtained from the Mexican government for the proposed channel change at Oracle, AZ.

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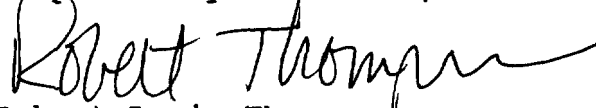
### Discussion

1. The proposed allotment would provided Oro Valley with its second local FM service. Oro Valley is a town north of Tucson, AZ, whose 1990 population of 6,670 persons is up 25% from 1980.

2. Contingent only upon the substitution of Channel 279A for Channel 276A at Oracle, AZ <sup>2/</sup>, Channel 277A can be allotted to Oro Valley, AZ consistent with the minimum distance separation requirements of the Commission's Rules, provided that there is a site restriction 8.3 kilometers west, northwest of the community. See Engineering Statement, attached as Appendix A. Although the concurrence of the Mexican government will be required for the proposed allotment, the minimum distance separation requirements for all relevant Mexican stations are met. Id. at 2.

3. Should this Petition be granted and the allotment made, Petitioner will apply for the channel and, following the grant of a permit to Petitioner, will promptly construct the FM facility.

Respectfully submitted,



Robert Lewis Thompson  
PEPPER & CORAZZINI  
1776 K Street, NW #200  
Washington, DC 20006

March 2, 1995

Counsel for Petitioner

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<sup>1/</sup>(...continued)  
Accordingly, it would appear that a grant of that docket is imminent.

<sup>2/</sup> Id.

# **ENGINEERING STATEMENT IN SUPPORT OF PETITION FOR RULE MAKING**

February 27, 1995

Rita Bonilla  
FM Channel 277A □ 103.3 Megahertz  
Oro Valley, Arizona



LAWRENCE L. MORTON ASSOCIATES  
1231 MESA OAKS LANE  
MESA OAKS, CALIFORNIA 93436-2309  
(805) 733-4275 / FAX (805) 733-4793

# **ENGINEERING STATEMENT**

The information and data contained within this Engineering Statement were prepared on behalf of Rita Bonilla in support of a petition for rule making. The petitioner proposes to amend the FM Table of Allotments, 47 C.F.R. § 73.202(b) of the Commission's Rules, by adding Channel 277A at Oro Valley, Arizona.

## **I. ORO VALLEY, ARIZONA**

Oro Valley is a town located in the northern portion of Pima County, Arizona. Oro Valley had a 1990 U.S. Census population of 6,670 persons, up from 1,489 persons in 1980. The Pima County population from the 1990 U.S. Census was 666,880 persons, representing an increase of 25.5 percent above the 1980 population of 531,263. Currently, Oro Valley has one FM local broadcast station, KCDI(FM), operating on Channel 248A.

The United States Bureau of the Census centroid geographical coordinates of Oro Valley, referenced to the North American Datum of 1927, are:

North Latitude: 32 degrees, 25 minutes, 30 seconds  
West Longitude: 110 degrees, 57 minutes, 53 seconds

## **II. SITE RESTRICTION AT ORO VALLEY ON CHANNEL 277A**

From the center of Oro Valley, Channel 277A would be short-spaced to station KLQB(FM) on Channel 279A<sup>1</sup>, and to XHRZ-FM on Channel 278B.

A site has been identified, however, from which Channel 277A would be fully spaced to all existing and proposed domestic and foreign stations. The geographical coordinates of the fully-spaced allotment reference site, referenced to the North American Datum of 1927, are:

North Latitude: 32 degrees, 26 minutes, 45 seconds  
West Longitude: 111 degrees, 02 minutes, 58 seconds

From these centroid coordinates, Channel 277A is fully spaced to all FCC assignments, allotments and proposals contained within the latest FCC FM Engineering database made available through the National Technical Information Service.

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<sup>1</sup> KLQB(FM) is currently licensed to operate on Channel 276A at Oracle, Arizona. However, a pending petition for rule making, MM Docket No. 93-69, has proposed the substitution of Channel 279A for Channel 276A at Oracle.

The reference site is located 8.3 kilometers west, northwest from the center of Oro Valley. Figure one shows the minimum spacing arcs of allocation-pertinent stations and the location of the proposed reference site in relationship to Oro Valley. From the permissible fully-spaced area, 70 dBμ city grade service can be provided to the entire town of Oro Valley from a Class A facility.

### III. MINIMUM SPACING REQUIREMENTS

The following table shows a listing of the nearest licensed facilities and allocations currently on file with the required distance separations for Channel 277A. For clarity, facilities that are greater than 350 kilometers beyond the minimum required separations are not shown.

As required by § 73.207 all minimum distance separation requirements are met from the Channel 277A allotment reference site proposed for Oro Valley. All distances were computed by the methods outlined in § 73.208(c) of the Commission's Rules and were rounded to the nearest kilometer in accordance with § 73.208(c)(8).

ALLOCATION-PERTINENT STATIONS AND SPACING REQUIREMENTS OF § 73.207					
CALL LETTERS	CHANNEL /CLASS	NORTH LATITUDE	WEST LONGITUDE	ACTUAL DISTANCE	REQUIRED DISTANCE
ALLOC	223-A	31° 13' 58"	110° 36' 05"	141. Km	9. Km
KTHQ	223-C1	34° 15' 06"	109° 35' 06"	242	22
PRM	223-C3	32° 16' 22"	109° 48' 14"	119	12
XHQT-FM	274-B	31° 19' 10"	110° 57' 36"	126	69
PRM	275-C	30° 07' 33"	111° 07' 30"	258	95
KNFT-FM	275-C1	32° 51' 45"	108° 14' 29"	267	75
KLQB <sup>1</sup>	276-A	32° 37' 07"	110° 47' 20"	31	72
ALLOC	276-B	30° 58' 57"	110° 18' 01"	177	125
PRM	276-C2	33° 23' 13"	110° 44' 25"	108	106
ALLOC	276-A	32° 03' 24"	111° 48' 06"	83	72
ALLOC	277-B	30° 16' 00"	112° 49' 35"	295	178
ALLOC	277-C	31° 05' 34"	107° 59' 49"	325	226
XHRZ-FM	278-B	31° 19' 28"	110° 56' 47"	125	125
KTWC	278-C	33° 35' 33"	112° 34' 49"	191	165
ALLOC	279-C	31° 41' 00"	114° 29' 35"	335	95
KCDX	279-A	33° 23' 13"	110° 44' 25"	108	31
KLQB	279-A	32° 37' 07"	110° 47' 20"	31	31
KAZR	280-C3	33° 00' 11"	111° 40' 26"	85	42
ALLOC	280-B	30° 58' 57"	110° 18' 01"	177	69
ALLOC	280-A	31° 35' 30"	112° 19' 30"	153	31

#### **IV. CONCLUSIONS**

From this study it has been demonstrated that the FM Table of Allotments in § 73.202(b) of the Commission's Rules may be amended in technical compliance with all applicable spacing rules. Therefore, the Petitioner, Rita Bonilla, respectfully requests the following addition to the Table:

<u>CITY</u>	<u>PRESENT</u>	<u>CHANNEL</u>
Oro Valley, Arizona		248A

<u>CITY</u>	<u>PROPOSED</u>	<u>CHANNEL</u>
Oro Valley, Arizona		248A, 277A

The petitioner asserts that, upon allotment of Channel 277A to Oro Valley and the opening of a filing window, she will file promptly an application for construction permit to build a new Class A facility to serve Oro Valley, Arizona.

It is believed that all methods employed in making the determinations contained within this Engineering Statement were in accordance with applicable F.C.C. Rules and Regulations and good engineering practice.

Respectfully Submitted,

**Lawrence L. Morton, P.E.**  
**Consulting Engineer to the Petitioner**  
**February 20, 1995**

Lambert Azimuthal Equal-Area

2' 00" Graticule Spacing

CENTER OF MAP:

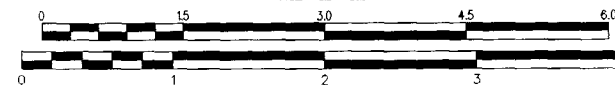
N LAT 32 27' 20.00"

W LON 111 03' 29.00"

Scale 1 : 80,565

**FIGURE 1**  
**FULLY-SPACED AREA TO LOCATE**  
**CHANNEL 277A**  
**AND PROPOSED REFERENCE SITE**  
**ORO VALLEY, ARIZONA**

KILOMETERS



STATUTE MILES



**LAWRENCE L. MORTON ASSOCIATES**  
Telecommunications Engineers  
Mesa Oaks, California

PINAL COUNTY

PIMA COUNTY

McKenzie Ranch

32:30:00

32:28:00

**CHANNEL 277A PERMISSIBLE FULLY-SPACED AREA**

**ALLOCATION REFERENCE SITE**

**KCDX(FM) CHANNEL 276C2 106-KM ARC**

T-Bench-Bar Ranch

32:26:00

**KLQB(FM) CHANNEL 279A 31-KM ARC**

**XHRZ-FM CHANNEL 278B 125-KM ARC**

**ORO VALLEY**

32:24:00

11:08:00

11:06:00

Oasis Ranch

11:04:00

Jurko Ranch

11:02:00

Palo Ferro Ranch

11:00:00

10:58:00

Steam Pump Rancho

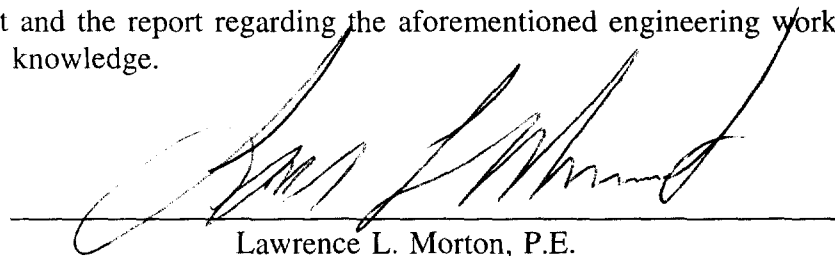
## AFFIDAVIT

State of California                    )  
  )   ss:  
County of Orange                    )

Lawrence L. Morton, being first duly sworn upon oath, deposes and says:

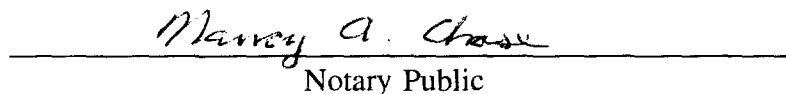
- That he is a qualified engineer,
- That he is a Registered Professional Engineer in the State of California,
- That he is a member of the Association of Federal Communications Consulting Engineers,
- That his qualifications are a matter of record with the Federal Communications Commission,
- That he has prepared many broadcast applications and engineering exhibits that have been filed with and granted by the Federal Communications Commission,
- That he has carried out such engineering work and that the results thereof are attached hereto and form part of this affidavit, and
- That the foregoing statement and the report regarding the aforementioned engineering work are true and correct of his own knowledge.

Date: February 27, 1995

  
Lawrence L. Morton, P.E.

On February 27, 1995, before me, Nancy A. Chase, a Notary Public, in and for the State of California, personally appeared Lawrence L. Morton known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

My Commission expires 11/30/96

  
Notary Public

